

CLAIMS

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1. A disease type and/or condition determination method comprising: analyzing the absorption or emission spectrum in a specific region for cells obtained from a specimen, and determining the disease type and/or condition by using as indices the appearance of spectra corresponding to at least two wave numbers within said specific region in accordance with the results of said spectral analysis.
  2. The disease type and/or condition determination method according to claim 1, wherein said specific region includes the infrared region.
  3. The disease type and/or condition determination method according to claim 1 or 2 that determines whether or not said specimen is cancer.
  4. The disease type and/or condition determination method according to claim 3, wherein one of the wave numbers of the spectra used as said indices is  $1261\text{ cm}^{-1}$ .
  5. The disease type and/or condition determination method according to claim 1 or 2 that determines whether or not said cells have specific bacteria.
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6. The disease type and/or condition determination method according to claim 5, wherein said specific bacteria are drug resistance bacteria.
  7. The disease type and/or condition determination method according to claim 1 or 2 that determines whether or not said cells are infected by a specific virus.
  8. A disease type and/or condition diagnostic apparatus

comprising:

spectral analysis means that analyzes the absorption or emission spectrum in a specific region for cells obtained from a specimen, and

diagnostic means that diagnoses disease type and/or condition using as indices the appearance of spectra corresponding to at least two wave numbers within said specific region in accordance with the results of the spectral analysis obtained with said spectral analysis means.

9. A drug screening method comprising: analyzing the absorption or emission spectrum in a specific region for a target drug, and screening said target drug by using as indices the appearance of spectra corresponding to at least two wave numbers within said specific region in accordance with the results of said spectral analysis.

10. The drug screening method according to claim 9, wherein said specific region includes the infrared region.

11. The drug screening method according to either of claim 9 or 10, wherein said target drug is an anti-cancer agent.

12. The drug screening method according to claim 11, wherein one of the wave numbers of the spectra used as said indices is  $1261\text{ cm}^{-1}$  or  $1163\text{ cm}^{-1}$ .

13. The drug screening method according to claim 9 or 10, wherein said target drug is an antibiotic.

14. The drug screening method according to claim 13, wherein said antibiotic is effective against drug resistance bacteria.

15. The drug screening method according to claim 9 or 10, wherein said target drug is an anti-viral agent.

16. A drug screening apparatus comprising:

spectral analysis means that analyzes the absorption or emission spectrum in a specific region for a target drug, and

screening means that screens said target drug using as indices the appearance of spectra corresponding to at least two wave numbers within said specific region in accordance with the results of the spectral analysis obtained with said spectral analysis means.

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